



July 12, 2011

Comments Re LightSquared use of FCC spectrum

IB Docket No. 11-109

I would like to introduce myself as a user of the Omnistar and Glonass GPS signal for agricultural row crop production. I have utilized GPS technology since 1995 and in that time period have made a substantial investment in hardware and software.

I am being told by reliable sources that LightSquared's proposal to utilize a certain band of radio waves for a terrestrial signal will eventually interfere with my ability to utilize my current GPS equipment as now construed.

From what I understand LightSquared is saying, most users of GPS signals will not be affected by LightSquared's proposed bandwidths. I believe most users of gps signals are concerned that they are on the right road, or sidewalk or business location. But most numbers of users are not in HIGH precision needs as I am and these high precision needs are what I am concerned with. I am concerned with being within the right few INCHES. Many high quality GPS needs/users in this country from agricultural to construction to engineering to our own military have made significant investments in their respective technologies. These investments should not be rendered worthless due to LightSquared overlapping into the GPS signal band.

My understanding is that if I can receive a cell phone signal, my GPS signal is within range of being affected also. I currently farm within 5 miles of a metropolitan area and understand those bandwidth usages will affect my GPS signals making my investment useless. I control my application rates and chemical overlaps with this technology as well as monitor my yields and adjust my fertilizer rates as needed for the specific crops I raise to prevent over applications and only feeding the crops what they need when they need it to farm in an environmentally friendly manner.

My understanding is that there is no known filtering technology that will enable my current GPS equipment to coexist with LightSquared's proposed bandwidth use. If there should be some type of filter developed, LightSquared should be responsible to pay for that filtering mechanism, in my opinion, as all is working now, unless they mess it up.

I hereby request that LightSquared be denied authority to proceed further until and unless a different frequency band can be made available that will not interfere with any other current users

Respectfully,

Robert Bottens
Bottens Family Farm
Cambridge, IL 61238

*Bottens Family Farm
18284 N 1100 Ave
Cambridge, IL 61238*

*309.937.2041
Cell 309.489.6050
bbottens@geneseo.net*